



## ALTERNATIVES TO ASH: SPECIES BY SIZE CLASS

*This information is provided as a courtesy by the Michigan Department of Natural Resources, Urban & Community Forestry Program.*

<u>Common Name</u>	<u>Scientific Name</u>	<u>Size Class</u>	<u>Hardiness Zone</u>	<u>Michigan Native</u>
Maple, Trident	Acer buergeranum	small <30'	6-8	No
Maple, Amur	Acer ginnala	small <30'	3-7	No
Maple, Paperbark	Acer griseum	small <30'	5-7	No
Maple, Japanese	Acer palmatum	small <30'	4-6	No
Maple, Striped	Acer pensylvanicum	small <30'	3-7	Yes
Maple, Tatarian	Acer tataricum	small <30'	3-6	No
Serviceberry, Downy	Amelancier arborea	small <30'	3-8	Yes
Serviceberry, Allegheny	Amelanchier laevis	small <30'	3-8	Yes
Serviceberry Cultivars	Amelanchier x grandiflora	small <30'	4-8	No
Hornbeam, American	Carpinus caroliniana	small <30'	4-8	Yes
Redbud, Eastern	Cercis canadensis	small <30'	4-9	Yes
Fringe Tree, Chinese	Chionanthus retusus	small <30'	5-9	No
Dogwood, Flowering	Cornus florida	small <30'	5-6	Yes
Dogwood, Kousa	Cornus kousa	small <30'	5-8	No
Hawthorn and cultivars	Crataegus spp.	small <30'	5-8	Yes
Silverbell, Mountain	Halesia monticola	small <30'	5-8	No
Magnolia	Magnolia hybrid 'Galaxy'	small <30'	5/9	No
Magnolia, Saucer	Magnolia x soulangiana	small <30'	4-6	No
Magnolia, Star	Magnolia stellata	small <30'	4-8	No
Crabapple and cultivars	Malus spp.	small <30'	2-8	No
Cherry, Japanese Flowering	Prunus serrulata	small <30'	5-8	No
Lilac, Japanese Tree	Syringa reticulata	small <30'	3-7	No
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Maple, Hedge	Acer campestre	medium 30-40'	5-7	No
Maple, State Street	Acer miyabi 'State Street'	medium 30-40'	4-7	No
Maple, Shantung	Acer truncatum x Acer platanoides	medium 30-40'	4-8	No
Buckeye, Ohio	Aesculus glabra	medium 30-40'	4-6	Yes
Birch, River 'Heritage'	Betula nigra 'Heritage'	medium 30-40'	4-9	No
Hornbeam, European	Carpinus betulus	medium 30-40'	3-9	No
Golden Raintree	Koelreuteria paniculata	medium 30-40'	4-9	No
Ironwood	Ostrya virginiana	medium 30-40'	3-9	Yes
Amur Corktree	Phellodendron amurense	medium 30-40'	4-8	No
Spruce, Black	Picea mariana	medium 30-40'	2-5	Yes
Cherry, Columnar Sargent	Prunus sargentii 'Columnaris'	medium 30-40'	4-8	No
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Fir, Balsam	Abies balsamea	large >40'	3-5	Yes
Fir, Concolor	Abies concolor	large >40'	3-7	No
Maple, Red and cultivars	Acer rubrum	large >40'	3-9	Yes
Maple, Sugar and cultivars	Acer saccharum	large >40'	3-7	Yes
Horsechestnut	Aesculus hippocastanum	large >40'	4-8	No
Birch, Japanese White	Betula platyphylla var. japonica	large >40'	3-8	No
Catalpa, Northern	Catalpa speciosa	large >40'	5-9	No
Hackberry	Celtis occidentalis	large >40'	4-9	Yes
Katsura tree	Cercidiphyllum japonicum	large >40'	4-8	No

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Yellowwood	Cladrastis kentukea (lutea)	large >40'	4-8	No
Turkish Filbert	Corylus colurna	large >40'	5-8	No
Hardy Rubber Tree	Eucommia ulmoides	large >40'	4-7	No
Ginkgo (male varieties <b>only</b> )	Ginkgo biloba	large >40'	4-8	No
Honeylocust and cultivars	Gleditsia triacanthos	large >40'	4-8	No
Kentucky Coffeetree	Gymnocladus dioicus	large >40'	4-9	No
Cedar, Eastern Red	Juniperus virginiana	large >40'	2-9	Yes
Sweetgum	Liquidambar styraciflua	large >40'	5-9	No
Tuliptree	Liriodendron tulipifera	large >40'	4-9	Yes
Magnolia, Cucumbertree	Magnolia acuminata	large >40'	4-8	No
Dawn Redwood	Metasequoia glyptostroboides	large >40'	4-8	No
Blackgum	Nyssa sylvatica	large >40'	5-9	Yes
Spruce, White	Picea glauca	large >40'	2-6	Yes
Spruce, Serbian	Picea omerika	large >40'	4-7	No
Pine, Red	Pinus resinosa	large >40'	2-5	Yes
Pine, White	Pinus strobes	large >40'	3-8	Yes
Douglas-fir	Pseudotsuga menziesii.	large >40'	3-8	No
Callery Pear <sup>1</sup> and cultivars	Pyrus calleryana <sup>1</sup>	large >40'	5-8	No
Oak, Swamp White	Quercus bicolor	large >40'	4-7	Yes
Oak, Burr	Quercus macrocarpa	large >40'	3-8	Yes
Oak, Pin	Quercus palustris	large >40'	5-8	Yes
Oak, English	Quercus robur	large >40'	5-8	No
Oak, Red	Quercus rubra	large >40'	5-8	Yes
Oak, Shumard	Quercus shumardii	large >40'	5-9	No
Scholar Tree (Pagoda Tree)	Sophora japonica	large >40'	4-8	No
Baldcypress	Taxodium distichum	large >40'	5-9	No
Arborvitae	Thuja occidentalis	large >40'	2-8	Yes
Basswood	Tilia americana	large >40'	4-7	Yes
Linden, Littleleaf	Tilia cordata	large >40'	3-7	No
Linden, Silver	Tilia tomentosa	large >40'	4-7	No
Hemlock, Canadian	Tsuga canadensis	large >40'	3-7	No
Elm species <sup>2</sup>	Ulmus spp. <sup>2</sup>	large >40'	5-9	Yes
Zelkova, Japanese	Zelkova serrata	large >40'	5-8	No

<sup>1</sup> Callery Pear and cultivars may have planting limitations which should be taken into consideration. Limitations include: Weak wood, poor branch structure, susceptibility to storm damage; susceptibility to insect and disease including fireblight.

<sup>2</sup> Elm species including *Ulmus americana*, *U. pumila*, *U. rubra* & *U. thomasi* have planting limitations which should be taken into consideration. Limitations can include: Prone to major disease and insect pests esp. Dutch Elm Disease, invasive roots, susceptibility to storm damage